

Appl. No. 10/604,507  
Amdt. dated November 2, 2006  
Reply to Office action of August 21, 2006

**Amendments to the Drawings:**

Replacement sheets are included for Figures 1, 3-7, and 12-13.

Attachment: Replacement Sheets

8 page(s)

**REMARKS**

**Figures 1 and 3-7 should be designated by a legend such as –Prior Art—because only that which is old is illustrated. Corrected drawings are required.**

5 Replacement sheets for Figures 1 and 3-7 are included having the legend Prior Art as requested by the Examiner. Additionally, replacement sheets for Figures 12 and 13 are included to amended a typographical error of the word “Peal” being corrected to “Real”. No new matter is entered.

10 **The disclosure is objected to because of the following informalities: minor typographical errors such as the lack of spaces between certain words and the use of a bold “i” in the word “illustrates” in the first line of paragraph 0039 and the bold “a” in “and” in the first line of paragraph 0041. Appropriate correction is required.**

15 Applicant has amended the specification to correct all missing space errors as identified from the image file wrapper document downloaded from the US PTO Public PAIR system. No new matter is entered. These errors were caused by the electronic patent submission process and are not present in the original documents held by applicant. The use of the bold letters identified by the Examiner is also corrected in the above paragraphs as both those words also had missing space problems as well. However, applicant is unable to actually see any of the bolded letter problems identified by the Examiner in the image file wrapper document downloaded from Public PAIR. According to the image file wrapper specification, the letters do not appear to be bolded.

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25 Applicant has also amended similar missing space problems in the claims as shown above in the Amendments to the Claims section. These amendments are purely correcting typographical errors; claims 1, 3, 6, 17, and 22 have missing space corrections. No new matter is entered.

**Claims 1, 5-7, 9, 13-14, 18, 20, and 24-25 are rejected under 35 USC 103a as being**

**unpatentable over Ota et al., US Patent Publication 2003/0099174 in view of Koishi et al., US Patent 4,701,609.**

Applicant has amended claim 1 to include the limitation that “an output signal from the sample and hold circuit is adjusted by multiplying the output signal from the sample and hold circuit with a proportional constant.” A similar amendment is also made to independent claims 7 and 18. No new matter is entered and applicant points out that such limitation was taken from claims 15 and 16, which were both previously found allowable by the Examiner. Applicant asserts that such amendment should result in independent claims 1, 7 and 18 being allowable over the cited references because neither reference teaches multiplying the output signal from the sample and hold circuit with a proportional constant. As claims 2-6, 8-14, and 19-25 are dependent upon claims 1, 7, and 18, respectively, if claims 1, 7, and 18 are found allowable, so too should the dependent claims 2-6, 8-14, and 19-25. Reconsideration of claims 1-6, 7-14, and 18-25 is respectfully requested.

**Claims 2-4, 10-12, and 21-23 are rejected under 35 USC 103a as being unpatentable over Ota et al. in view of Shiozaki et al., US Patent 6,990,050.**

As mentioned above, claims 2-4, 10-12, and 21-23 are dependent upon a base claim believed to be allowable by the applicant. Therefore, claims 2-4, 10-12, and 21-23 should also be found allowable for at least the same reasons stated above for the base claims.

Reconsideration of claims 2-4, 10-12, and 21-23 is respectfully requested.

**Claims 8 and 19 are rejected under 35 USC 103a as being unpatentable over Ota et al. in view of Eguchi et al., US Patent Publication 2002/0036961.**

As mentioned above, claims 8 and 19 are dependent upon a base claim believed to be allowable by the applicant. Therefore, claims 8 and 19 should also be found allowable for at least the same reasons stated above for the base claims. Reconsideration of claims 8 and 19 is respectfully requested.

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**Allowable Subject Matter**

**Claims 15-17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.**

- 5           Applicant has amended claims 15 and 16 to be in independent form including all the limitations of base claim 7 as was stated being allowable by the Examiner. No new matter is entered. Applicant points out that claim 17 is dependent upon base claim 16 so claim 17 should also no longer be rejected for being dependent upon a rejected base claim.

- 10   Sincerely yours,



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- Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C.  
20   is 13 hours behind the Taiwan time, i.e. 9 AM in D.C. = 10 PM in Taiwan.)